Water Resources Management 4 (1991)

Contents of Volume 4

Volume 4 No. 1 1990

RONTING HSU and CHANG-LING LIU / Use of Parameter Estimation in Determining Soil Hydraulic Properties from Unsaturated Transient Flow 1

OLCAY I. UNVER and LARRY W. MAYS / Model for Real-Time Optimal Flood Control Operation of a Reservoir System 21

VASSILIS Z. ANTONOPOULOS and ZAFIRIS G. PAPAZAFIRIOU / Simultaneous One-Dimensional Water Flow and Mass Transport of Conservative Solutes in Porous Media 47

S. BUDHAKOONCHAROEN, R. HARBOE, and J. J. BOGARDI / Application of the Modified Fibonacci Search-Based Search Beam Method to Derive a Nondominated Release Policy for a Multi-Purpose Reservoir 63

ECOWARM: News and Views 75

Volume 4 No. 2 1990

MILICA BERIĆ, EMIR ZELENHASIĆ, and BOJAN SRDJEVIĆ / Extreme Dry Weather Intervals of the Growing Season in Bačka, Yugoslavia 79

G. A. PARISSOPOULOS and H. S. WHEATER / Numerical Study of the Effects of Layers on Unsaturated-Saturated Two-Dimensional Flow 97

MOHSEN, M. SHERIF, VIJAY P. SINGH, and ABDELWAHAB M. AMER / A Note on Saltwater Intrusion in Coastal Aquifers 123

A. MELLOUL and A. DAX / Monitoring the Deterioration of Small-Diameter Observation Wells 135

ECOWARM: News and Information 155

New Books 159

Volume 4 No. 3 1990

Review Article:

ZBIGNIEW W. KUNDZEWICZ and LUCIEN DUCKSTEIN / Symbiosis Between Systems Engineering and Hydrology 161

DIAMANDIS N. KARAMOUZIS / A Space-Discontinuous Galerkin Method for the One-Dimensional Unsteady Convection-Diffusion Equation 175

GUNA N. PAUDYAL and HENRY B. MANGUERRA / Two-Step Dynamic Programming Approach for Optimal Irrigation Water Allocation 187

Technical Communications:

MILAN K. JERMAR / On the Rationalization of Water Management for Food Production 205

ANDRZEJ CIEPIELOWSKI and MAŁGORZATA GUTRY-KORYCKA / A New 'Momentum Method' for the Quantitative and Qualitative Evaluation of Polish Rivers 219

ECOWARM: News and Information 229

New Books 233

Volume 4 No. 4 1990

A. R. RAO and C. H. HSIEH / Empirical Orthogonal Function Analysis of Rainfall and Runoff Series 235

DRAGAN A. SAVIC and SLOBODAN P. SIMONOVIC / Selecting Risk Levels in Chance-Constrained Reservoir Operation Modeling: A Fuzzy Set Approach 251

SHRAGGA IRMAY / On Some Apparent Paradoxes in Water Spreading, Hydrology and Seepage 273

Technical Communication:

B. MOLINO, G. RASULO, and L. TAGLIALATELA / Peak Coefficients of Household Potable Water Supply 283

ECOWARM: News and Information 293

Announcement 317

Key Word Index to Volume 4 319